

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Borran, *et al.*  
Title: METHOD AND APPARATUS TO ESTABLISH  
CONSTELLATIONS FOR IMPERFECT CHANNEL  
STATE INFORMATION AT A RECEIVER  
Appl. No.: 10/523,167  
Filing Date: 3/10/2006  
Examiner: Kevin Michael Burd  
Art Unit: 2611  
Confirmation Number: 8220

**REPLY UNDER 37 CFR 1.116**

Mail Stop AF  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Examiner:

This communication is responsive to the Final Office Action dated October 15, 2009, concerning the above-referenced patent application, making December 15, 2009, two-months from the mailing date. Accordingly, this response is timely filed within the advisory period.

**Amendments to the Claims** are reflected in the listing of claims which begins on page 2 of this document.

**Remarks/Arguments** begin on page 6 of this document.